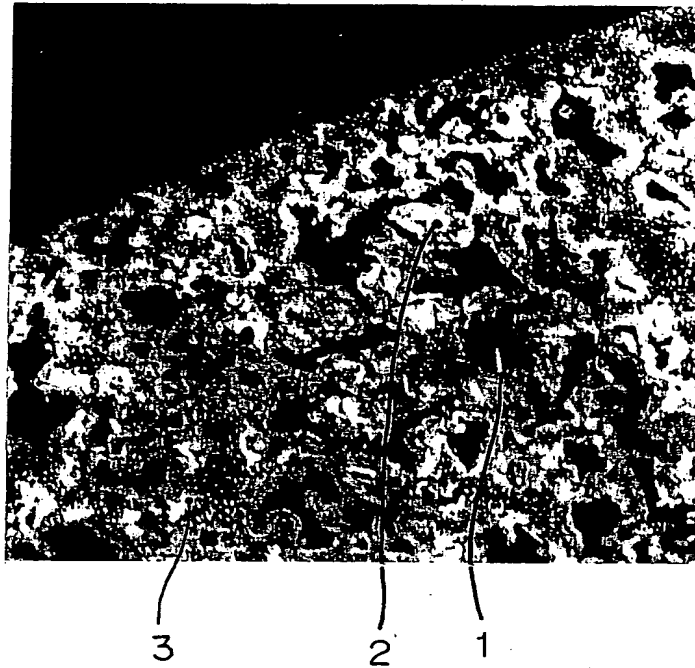
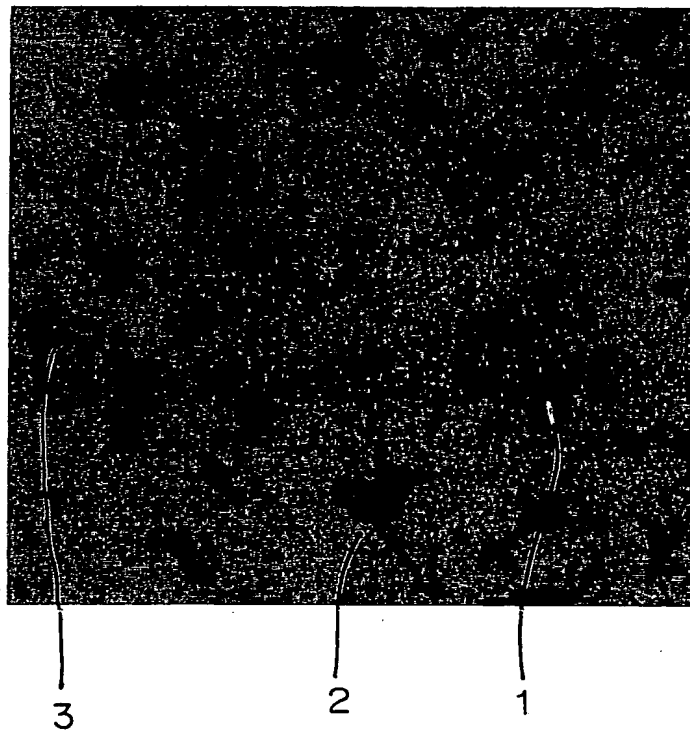
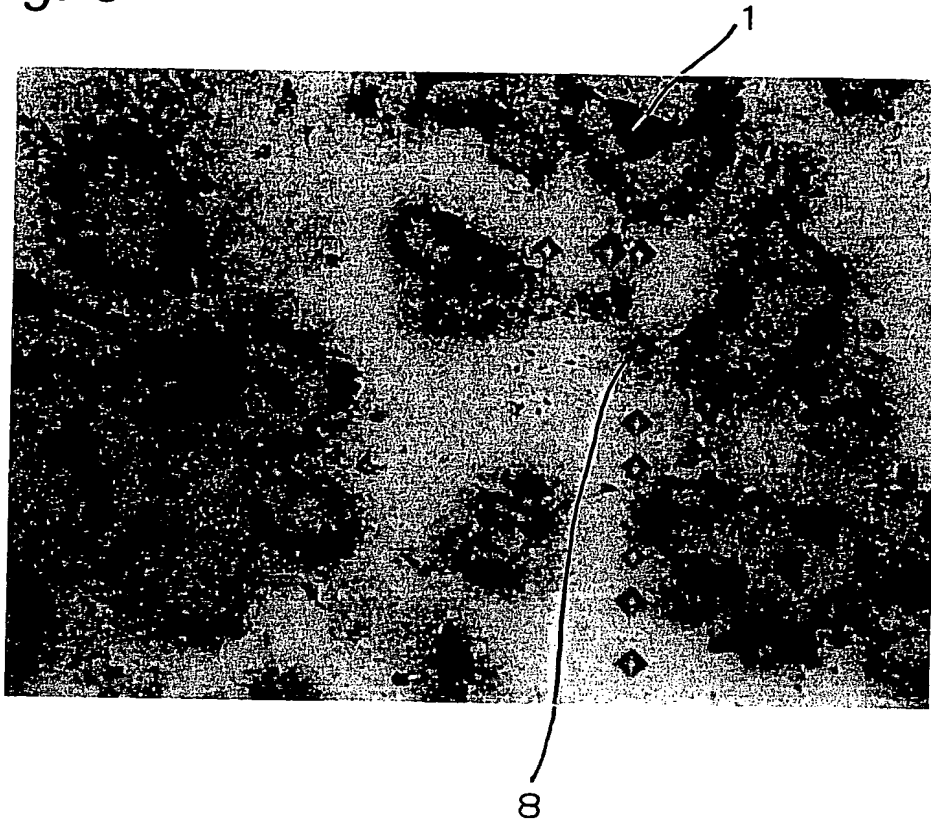


Fig. 1*Fig. 2*

BEST AVAILABLE COPY

Fig. 3

BEST AVAILABLE COPY

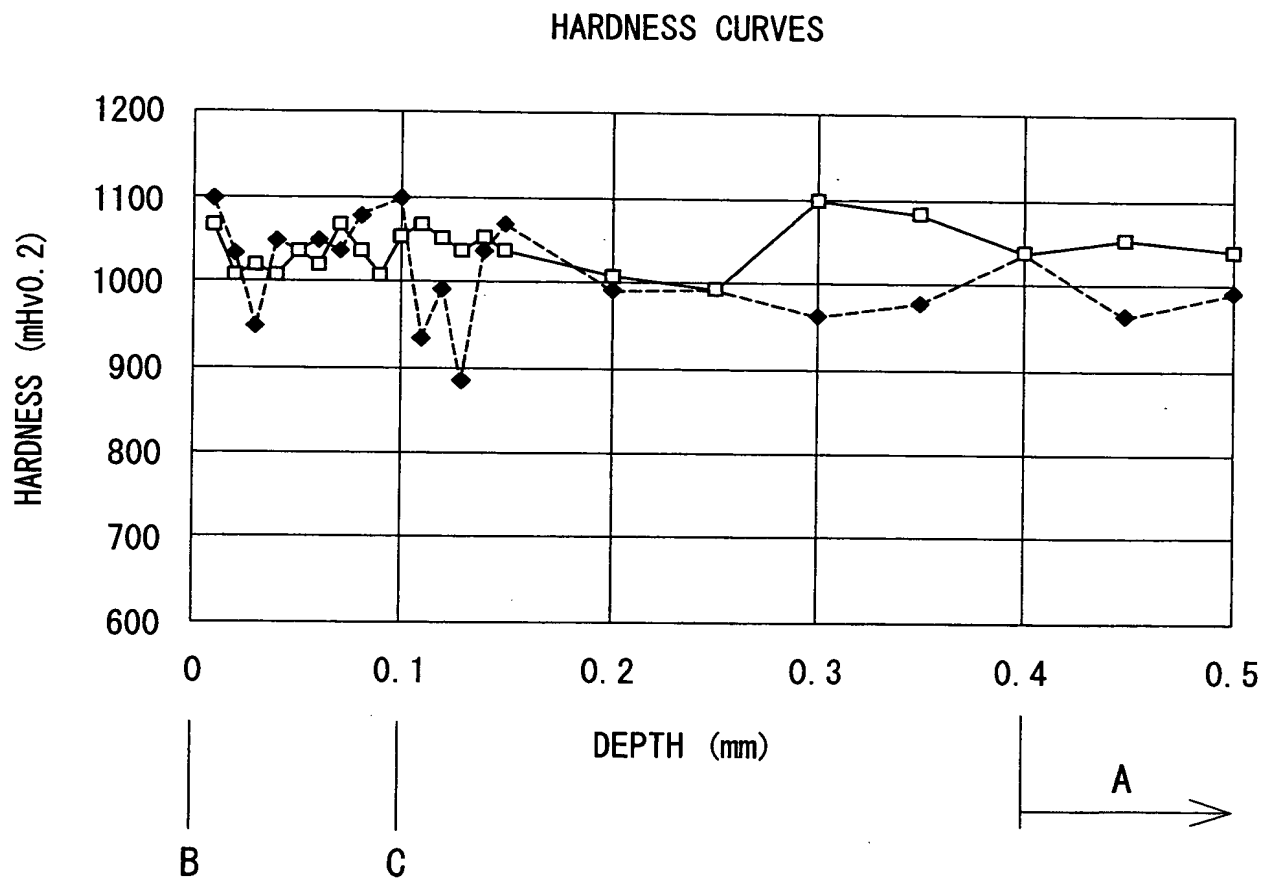
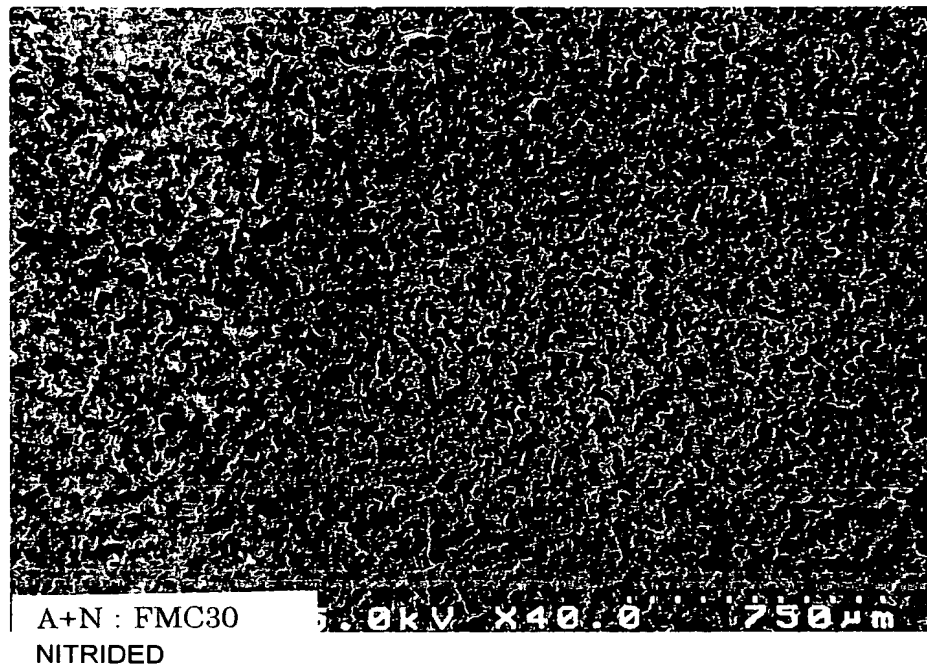
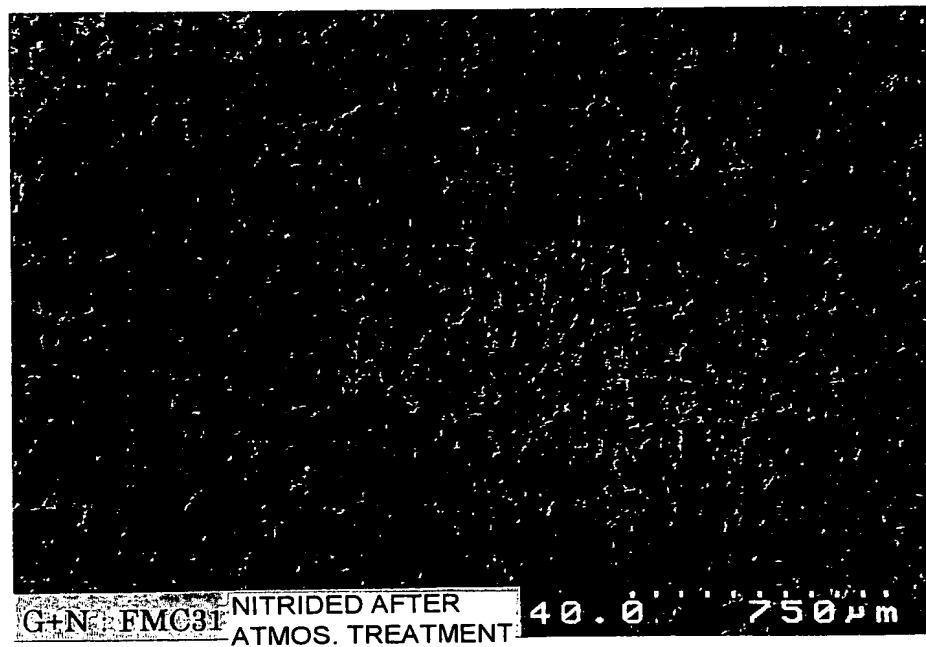
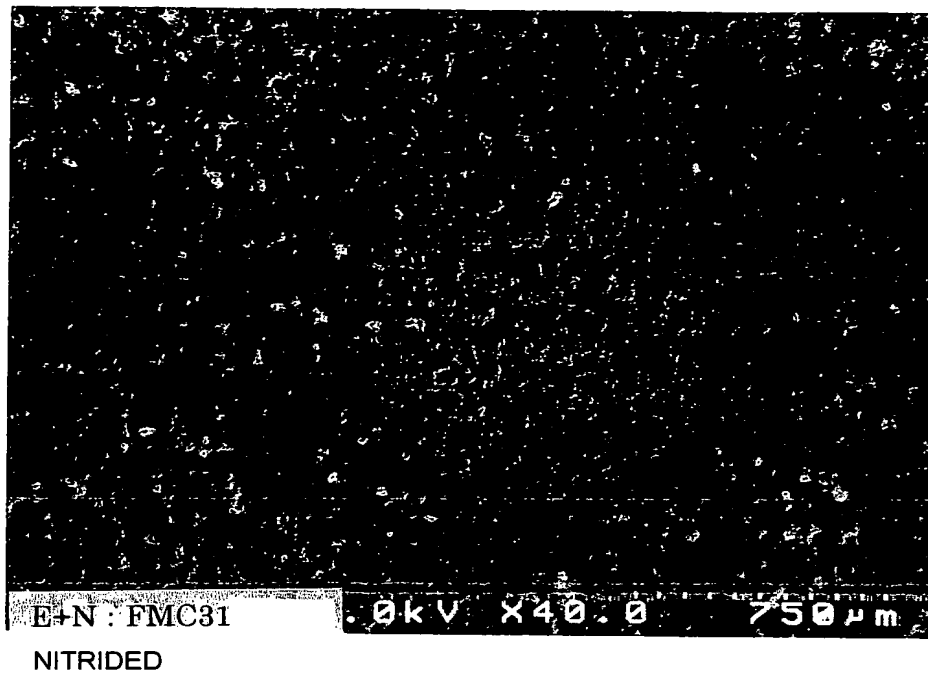
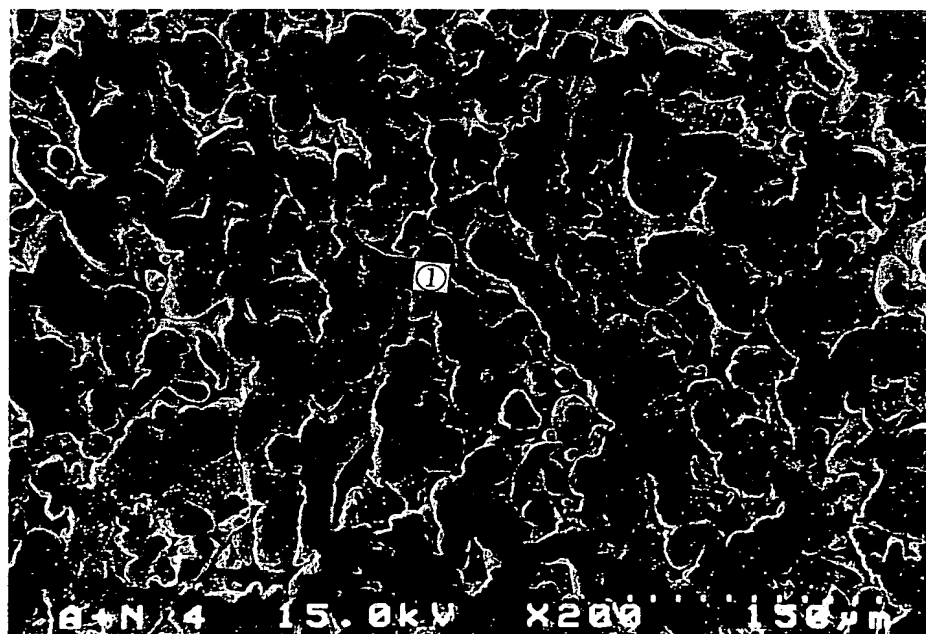
Fig. 4

Fig. 5

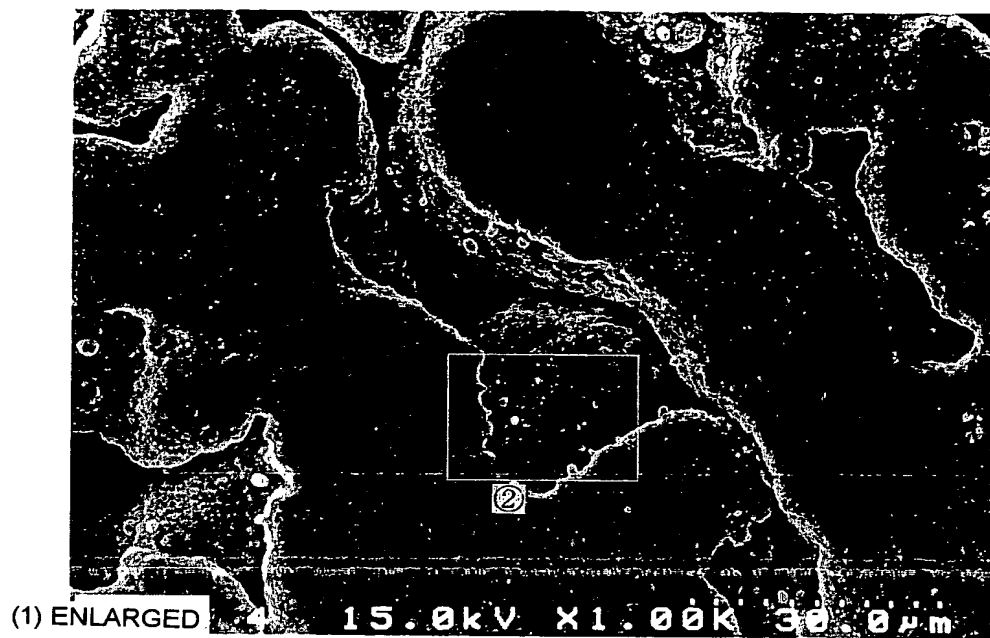
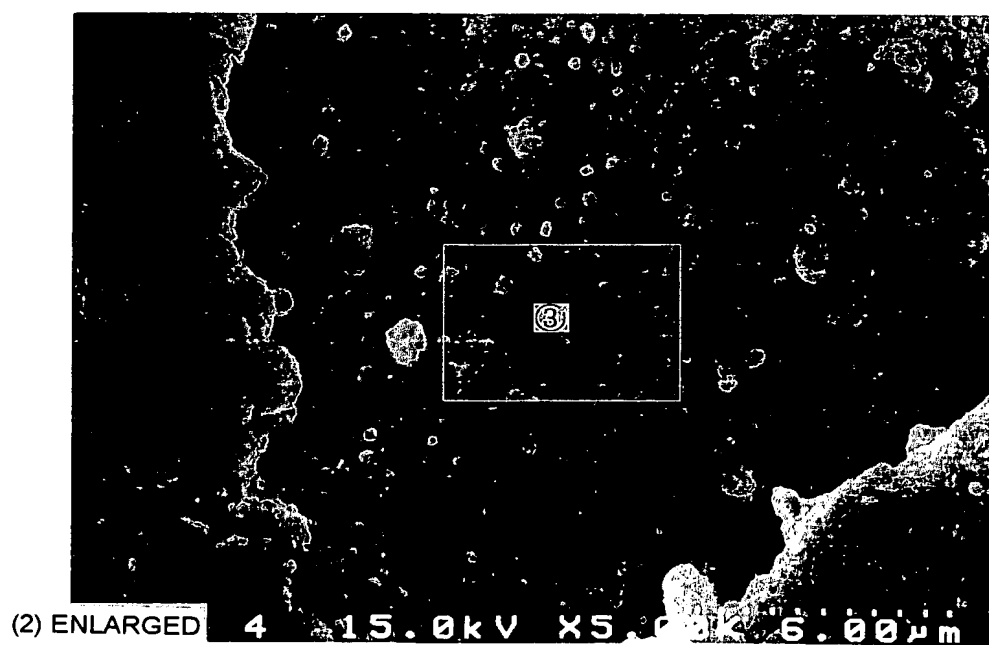
SAMPLE X	<p>VACUUM 1180°C × 1.0H</p> <p>SINTERING BATCH FURNACE ROOM TEMP</p> <p>GAS COOLING</p>	<p>CARBURIZING ATMOSPHERE 870°C × 1.0H</p> <p>QUENCHING CONTINUOUS FURNACE</p> <p>OIL QUENCH</p> <p>ROOM TEMP</p>	<p>ATMOSPHERE 480°C × 1.5H</p> <p>TEMPERING</p> <p>DECOMPOSITION OF REMAINING γ /RELAXATION OF QUENCHING DISTORTION</p>
SAMPLE Y SAMPLE Z	<p>VACUUM 1180°C × 1.0H</p> <p>SINTERING BATCH FURNACE ROOM TEMP</p> <p>GAS QUENCHING</p>	<p>NON-OXYGEN (NITROGEN) ATMOSPHERE</p>	<p>NON-OXYGEN (NITROGEN) ATMOSPHERE 580°C × 1.5H 580°C × 1.5H</p> <p>TEMPERING</p> <p>TEMPERING</p> <p>DECOMPOSITION OF REMAINING γ /RELAXATION OF QUENCHING DISTORTION</p>
	POWDER BONDING	MARTENSITIZING OF MATRIX	
	POWDER BONDING + MARTENSITIZING OF MATRIX		
	SINTERING	QUENCHING	TEMPERING

Fig. 6*Fig. 7*

BEST AVAILABLE COPY

Fig. 8*Fig. 9*

BEST AVAILABLE COPY

Fig. 10*Fig. 11*

BEST AVAILABLE COPY

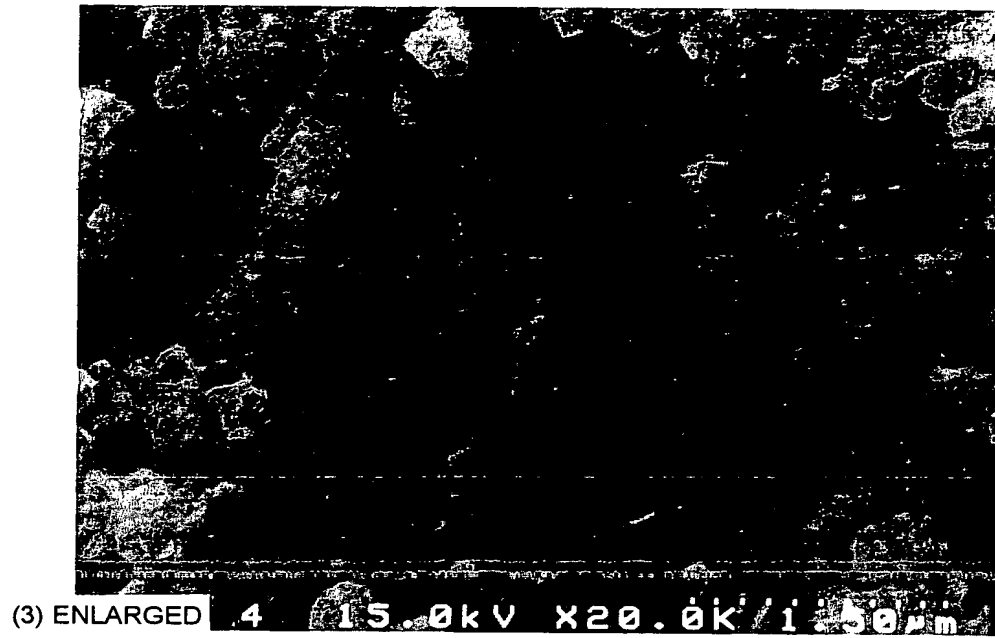
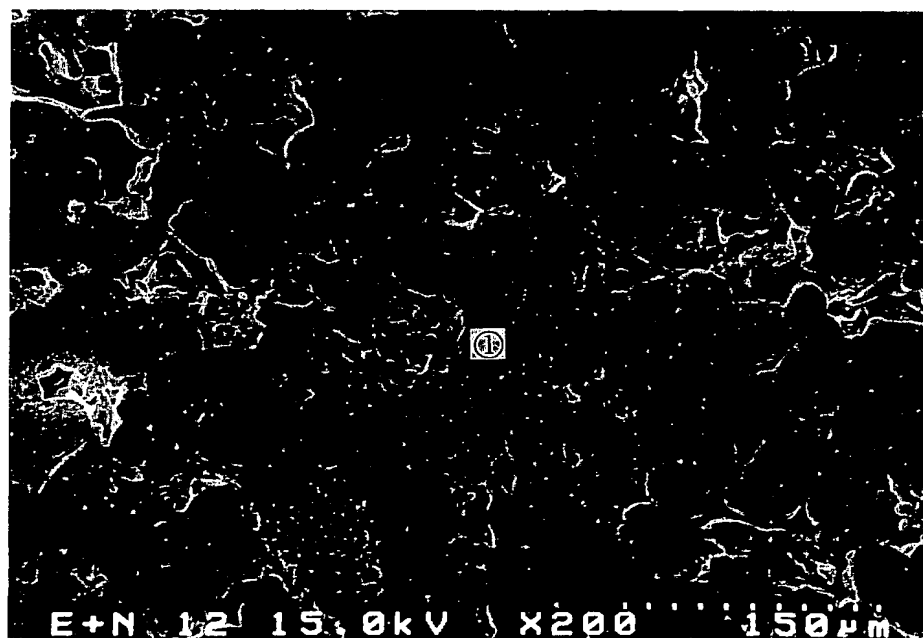
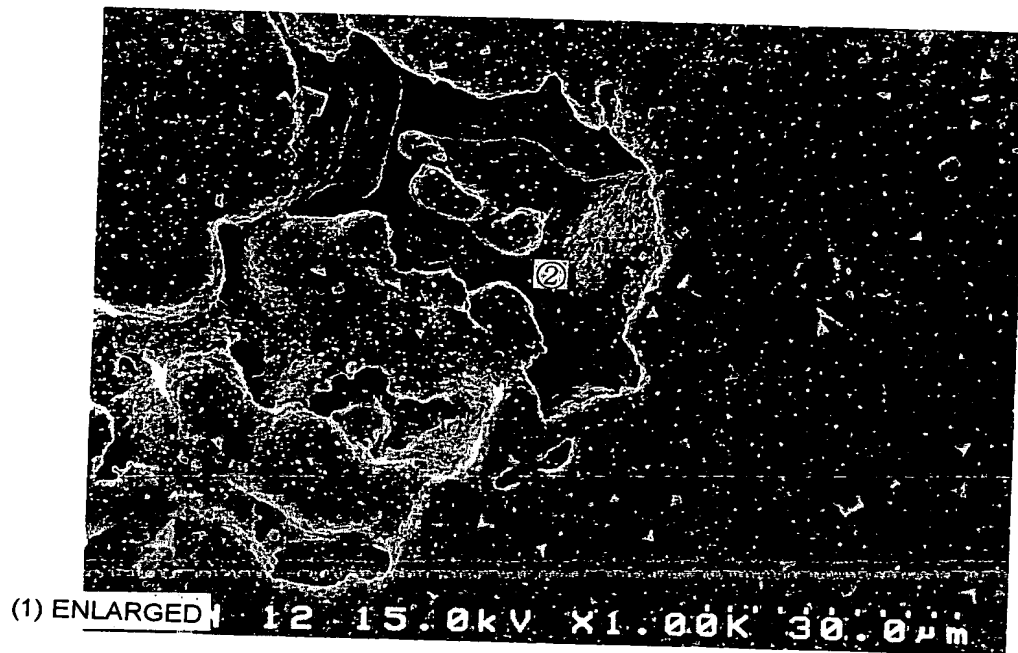
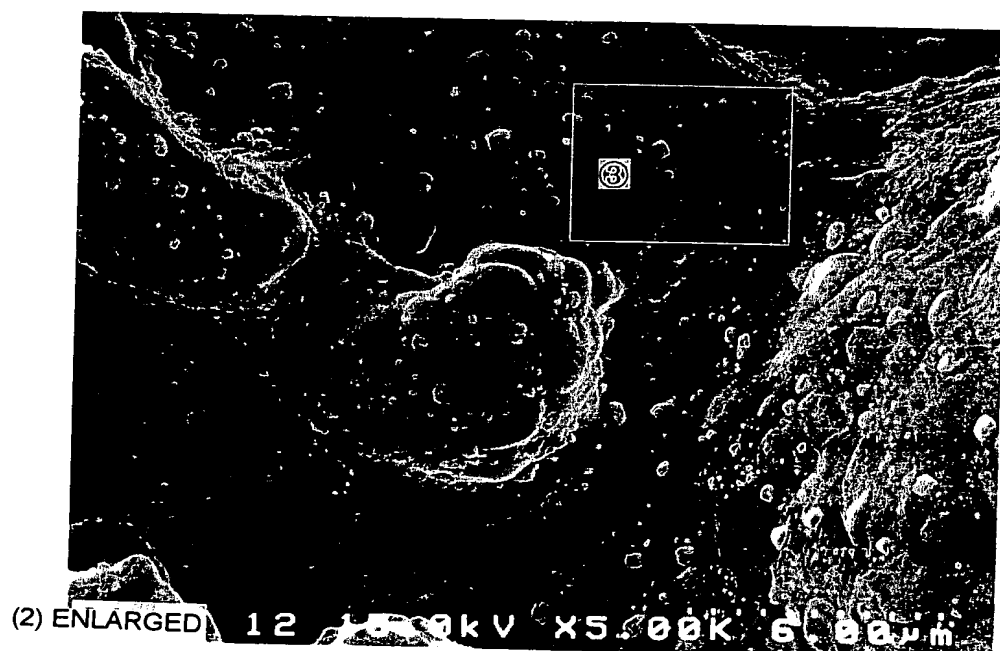
Fig. 12*Fig. 13*

Fig. 14*Fig. 15*

BEST AVAILABLE COPY

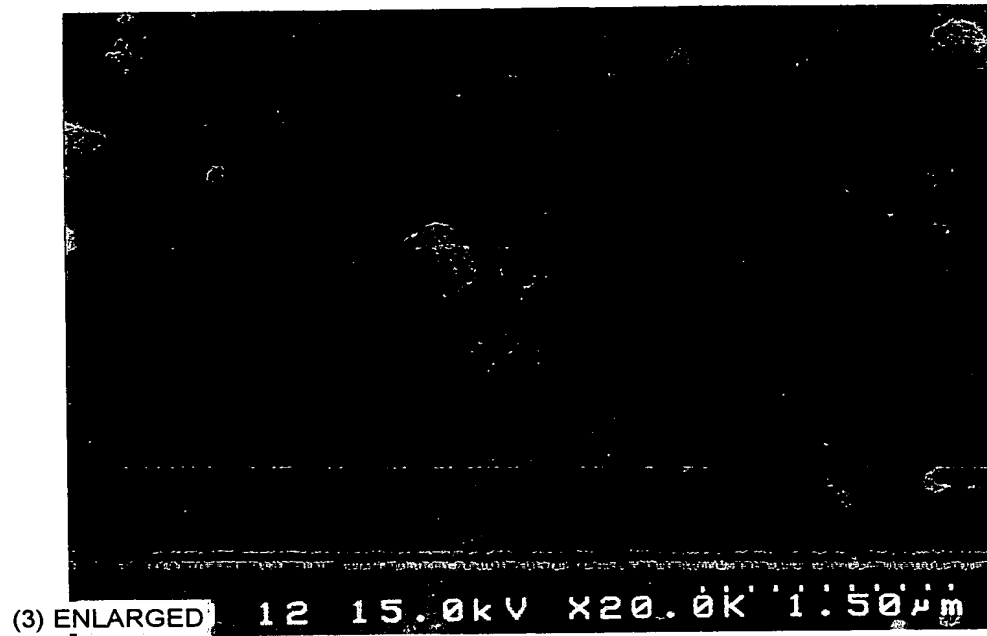
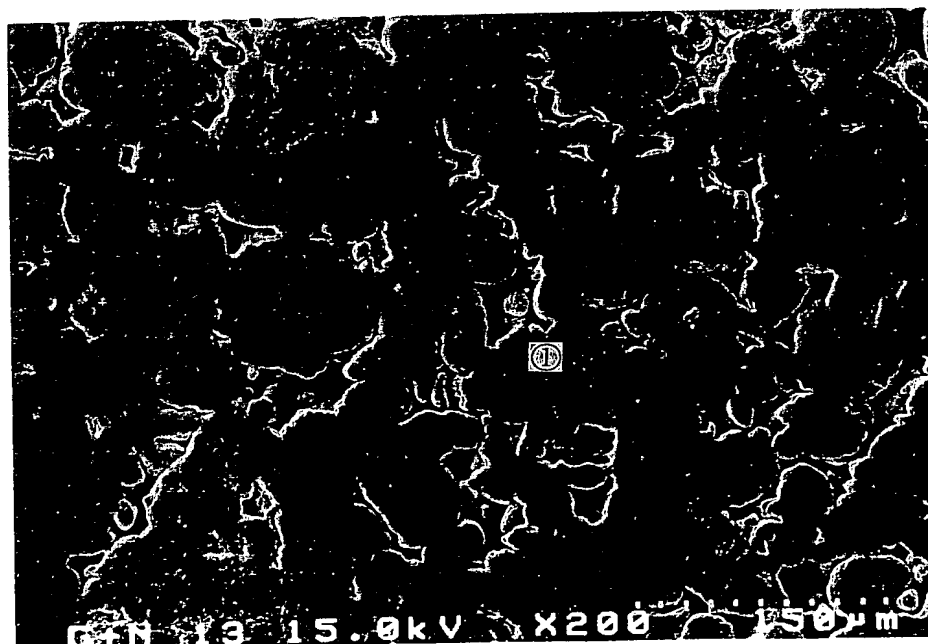
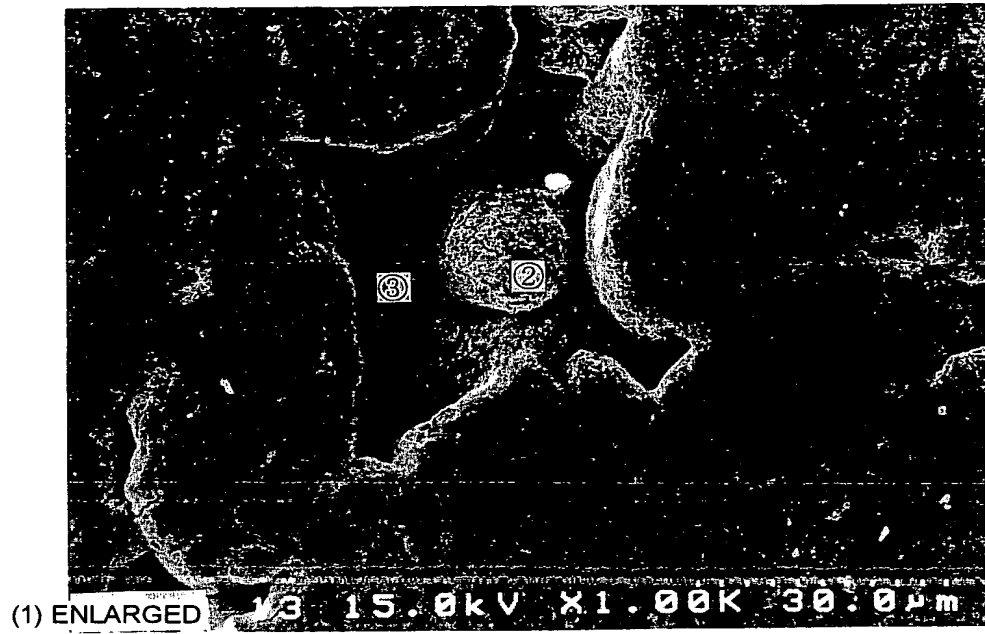
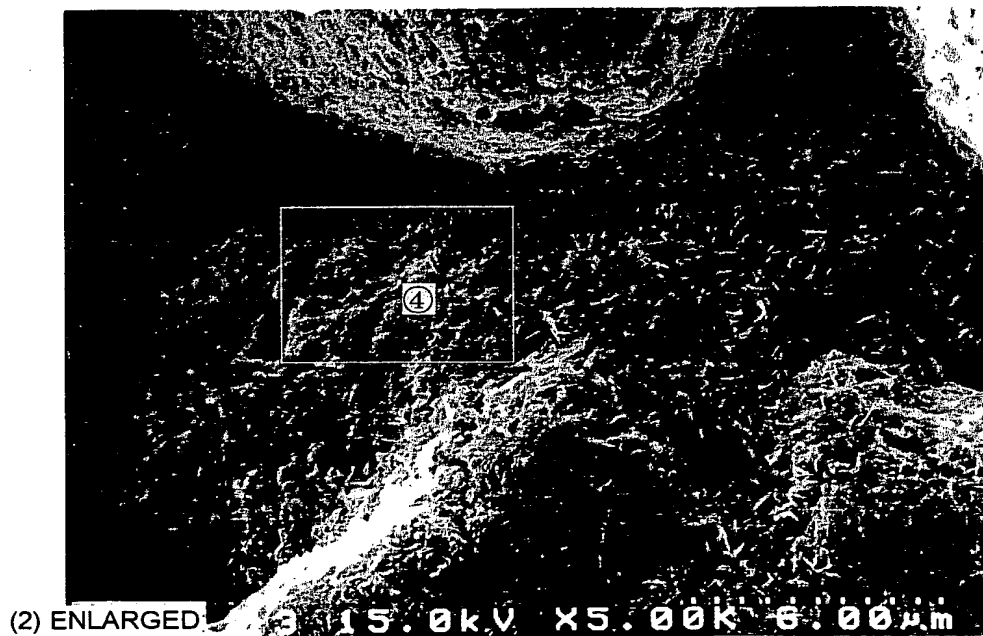
Fig. 16*Fig. 17*

Fig. 18*Fig. 19*

BEST AVAILABLE COPY

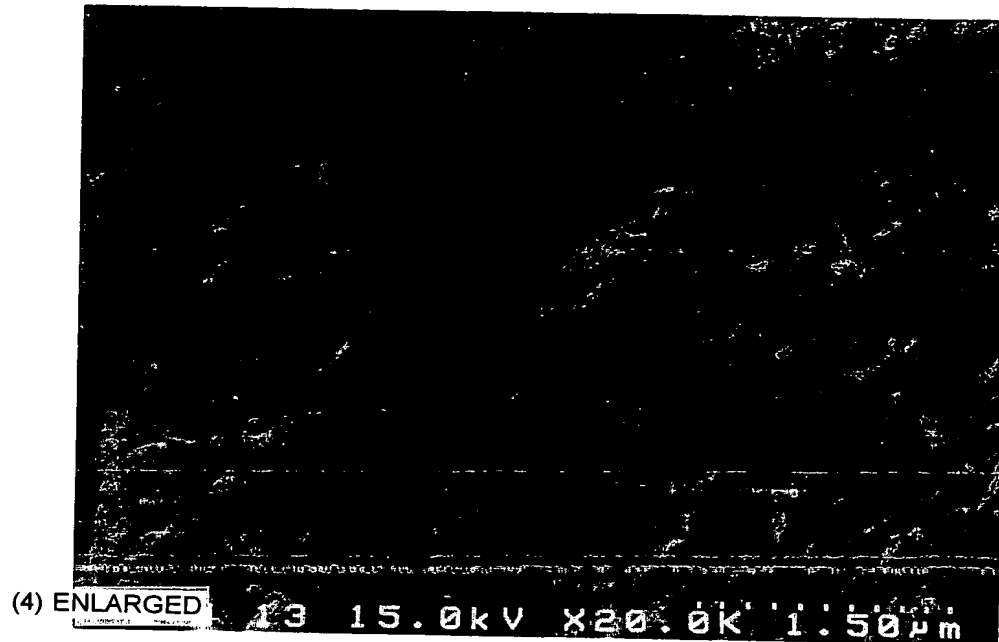
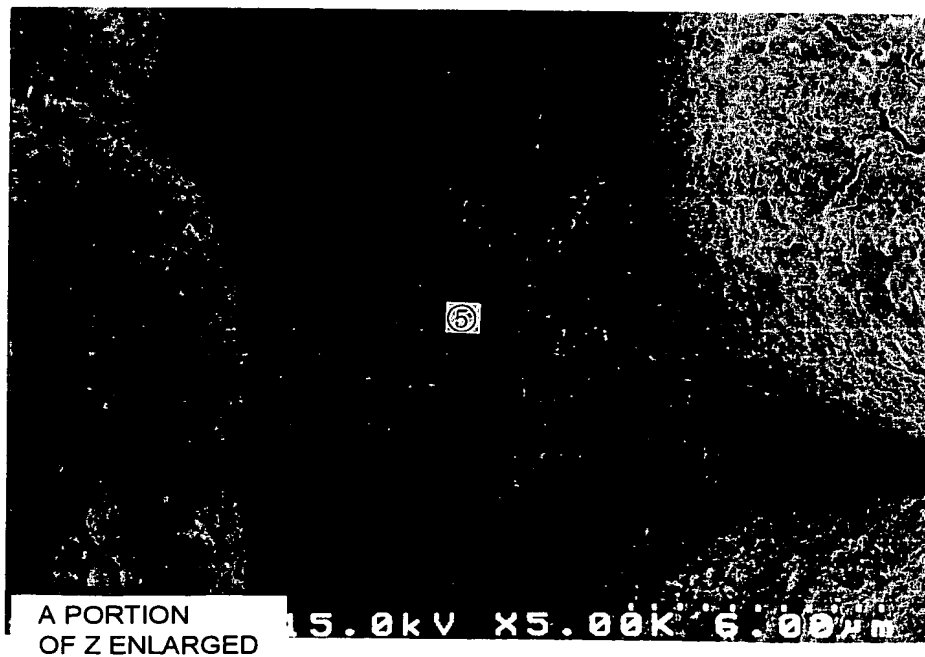
Fig. 20*Fig. 21*

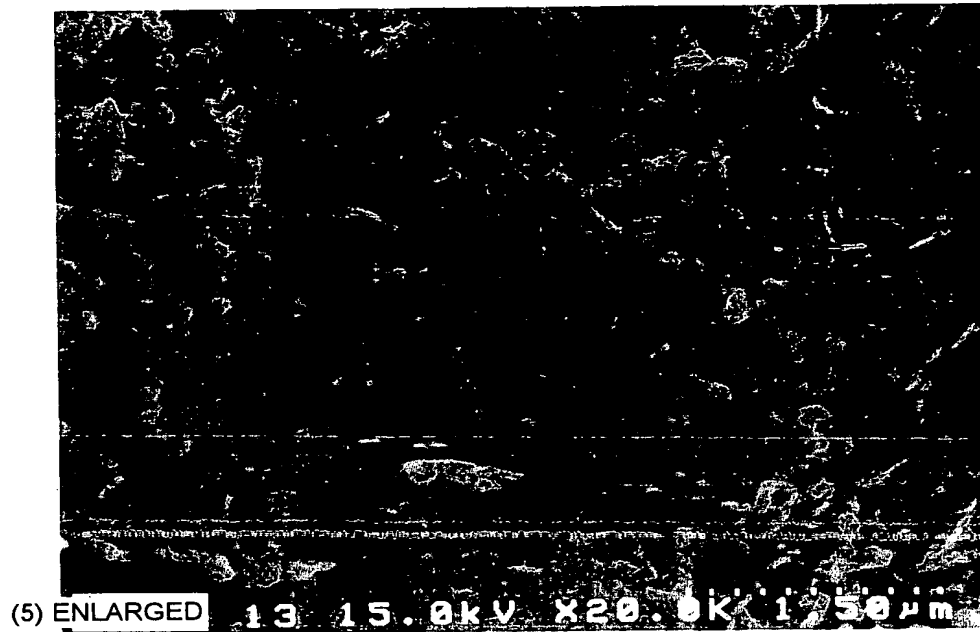
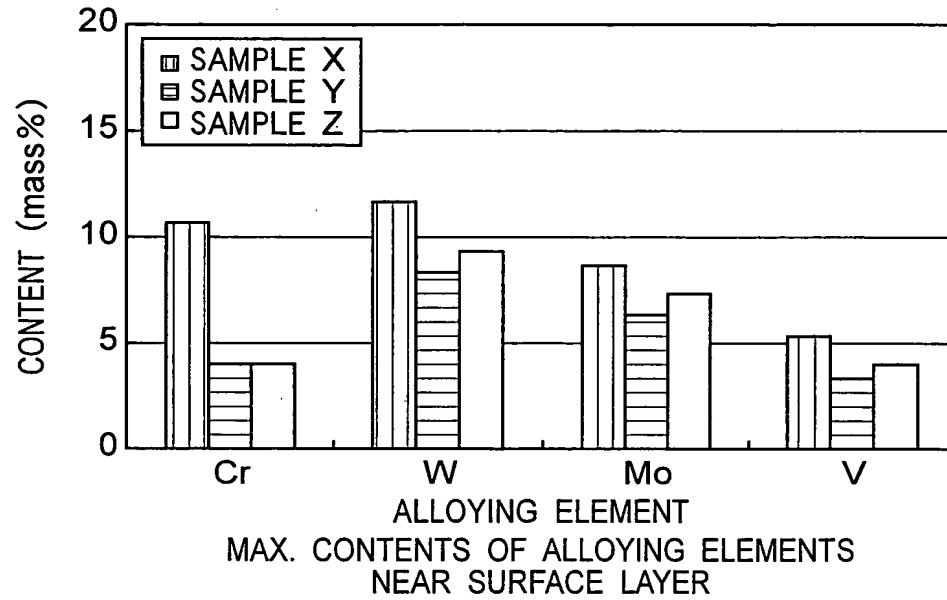
Fig. 22

Fig.23*Fig.24*